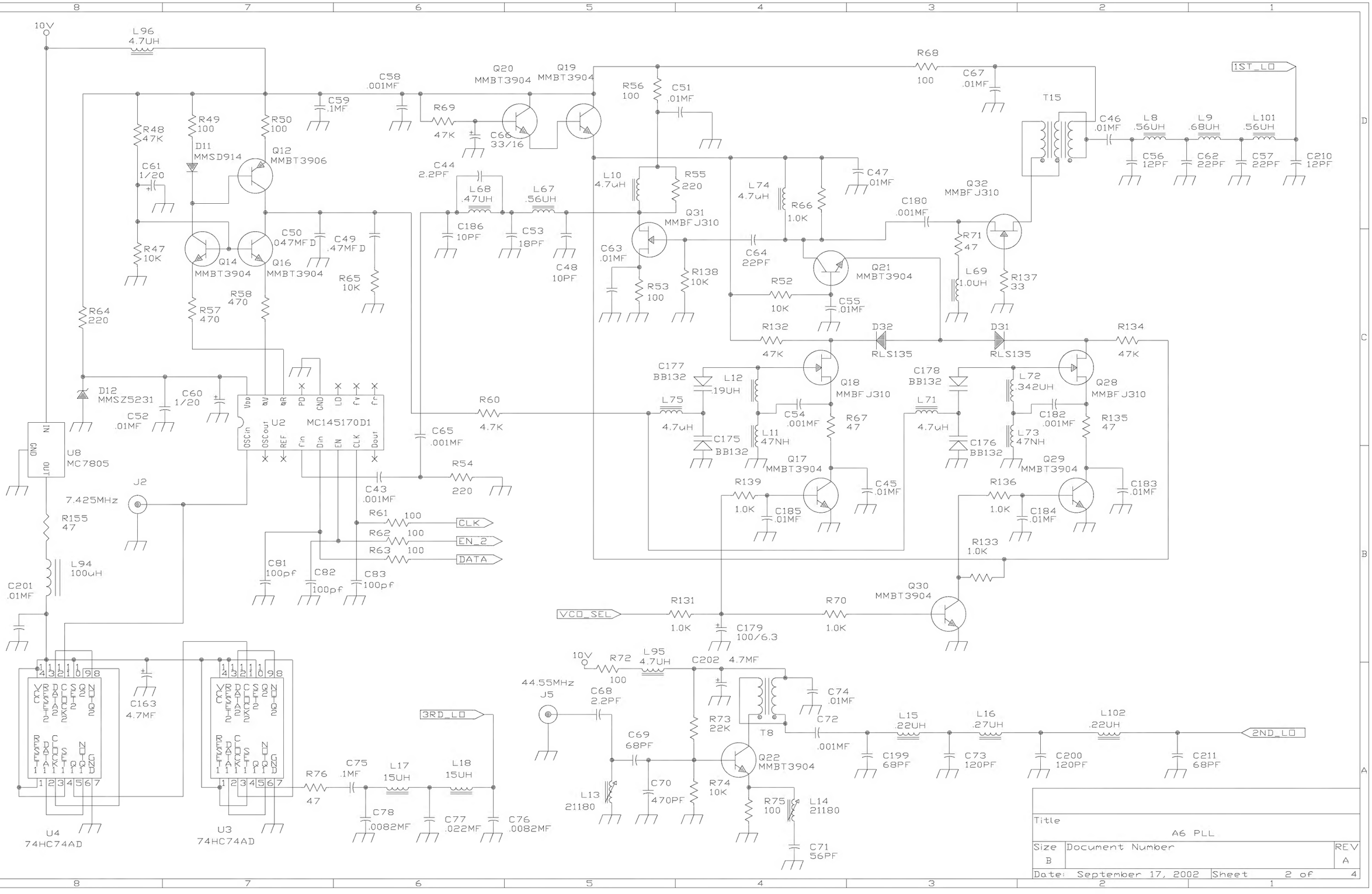
10V
L96 4.7UH
R48 47K
R49 100
R50 100
D11 MMSD914
Q12 MMBT3906
C61 1/20
C58 .001MF
C59 .1MF
Q20 MMBT3904
Q19 MMBT3904
R69 47K
C66 33/16
R56 100
C51 .01MF
R68 100
C67 .01MF
T15
1ST_LO
C46 .01MF
L8 .56UH
L9 .68UH
L101 .56UH
C56 12PF
C62 22PF
C57 22PF
C210 12PF
C44 2.2PF
L68 .47UH
L67 .56UH
L10 4.7uH
R55 220
Q31 MMBF J310
C186 10PF
C53 18PF
C48 10PF
C63 .01MF
R53 100
R138 10K
L74 4.7uH
R66 1.0K
C47 01MF
C64 22PF
Q21 MMBT3904
R52 10K
C55 .01MF
C180 .001MF
Q32 MMBF J310
R71 47
L69 1.0UH
R137 33
R47 10K
Q14 MMBT3904
Q16 MMBT3904
C50 047MF D
C49 .47MF D
R65 10K
R58 470
R57 470
R64 220
R132 47K
D32 RLS135
D31 RLS135
R134 47K
C177 BB132
L12 19UH
Q18 MMBF J310
C178 BB132
L72 .342UH
Q28 MMBF J310
L75 4.7uH
C54 .001MF
R67 47
L71 4.7uH
C182 .001MF
R135 47
L11 47NH
L73 47NH
C175 BB132
C176 BB132
Q17 MMBT3904
Q29 MMBT3904
R139 1.0K
C185 .01MF
C45 .01MF
R136 1.0K
C184 .01MF
C183 .01MF
R133 1.0K
Q30 MMBT3904
R131 1.0K
C179 100/6.3
R70 1.0K
VCO_SEL
D12 MMSZ5231
C60 1/20
C52 .01MF
U8 MC7805
IN GND OUT
U2 MC145170D1
OSCin OSCout REF Fin Din EN CLK Dout
Vdd MV MR PD GND LD Fv Fr
R60 4.7K
C65 .001MF
R54 220
C43 .001MF
J2 7.425MHz
R155 47
L94 100uH
C201 .01MF
R61 100
R62 100
R63 100
CLK
EN_2
DATA
C81 100pf
C82 100pf
C83 100pf
C163 4.7MF
U4 74HC74AD
U3 74HC74AD
3RD_LO
R76 47
C75 .1MF
L17 15UH
L18 15UH
C78 .0082MF
C77 .022MF
C76 .0082MF
10V
R72 100
L95 4.7UH
C202 4.7MF
44.55MHz
J5
C68 2.2PF
C69 68PF
C74 .01MF
C72 .001MF
T8
R73 22K
R74 10K
Q22 MMBT3904
L13 21180
C70 470PF
R75 100
L14 21180
C71 56PF
L15 .22UH
L16 .27UH
L102 .22UH
2ND_LO
C199 68PF
C73 120PF
C200 120PF
C211 68PF
Title
A6 PLL
Size B
Document Number
REV A
Date: September 17, 2002
Sheet 2 of 4